

The Hertzian Herald



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D Fritz Bitz:



2021 is almost over. I have been president for almost a year now and there have only been a few challenges. Things have run pretty smooth for the most part but that is mostly because of other people in the club. I told them when I took this on that I had only been in the club for a year and that was during Covid so I didn't know how they did a lot of things. They told me they would try to do most of the heavy lifting and boy have they! Mike, Dale and Paul have been a great help with everything we have done. They usually take the wheel and I just watch from the sidelines and give input when necessary.

But the two that have given the most are Fred and Brenda. They give the most input and do most of the legwork also. Talk about heavy lifting, they do it every month. There are several others that give constant input and help out making things run smoothly but Fred and Brenda are the ones that put everything together.

The Christmas party is this month and then we start all over next year. I'm looking forward to taking what I learned this year and expanding on it next year to try to make things a little bigger and better. I'm also looking forward to working with the great team we have and actually helping them do some things next year. Now that they've showed me how it's done.

So, until next month, 73.

<http://mcrc.org/>

www.facebook.com/groups/1643856795878368/

Club Officers

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MCRCA Meeting Minutes for November 18, 2021

Meeting called to order at 7:30 pm, by Don N8BZN.

Pledge of Allegiance

Introductions: One new member Ed K8FGT, no upgrade and 1 guest Scott Yonally N8SY - ARRL.

MINUTES: Motion by Bob W8GMA, supported by Keith KJ8H, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Paul W8PI, supported by Gary K8ONZ, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Tom KG8P, from Daily DX, FH Mayotte, Don K6ZO and Heryk FR5DX till 11/22/2021. — The TAAF has granted permission for a one-man nearly 3-month operation from Crozet Island to Thierry F6CUK, from mid-December 2022 to mid-March 2023. – The bands have been up and down lately.

FIELD DAY REPORT: Paul W8PI, the score with 1288 contacts giving us 4716 points thus making us #1 for class 2A in Michigan and the Great Lakes Division. – SSB Sweepstakes this weekend, the object is to work all 80 ARRL sections in U.S. and Canada.

TESTING: Next session - Sat. December 18, 2021. **Appointments Preferred - FRN and email req'd**

OLD BUSINESS: None

NEW BUSINESS: None

DOOR PRIZE DRAWING: 3 donated by Scott N8SY from the ARRL. Winners: Tom KG8P, Lance KE8BYC, and Keith KJ8H plus 80th Anniversary Coffee mugs for all.

50/50: Sandy donated her winnings to the scholarship.

ANNOUNCEMENTS: Christmas Party next month at: Monroe Country Club Estates, 5840 E. Dunbar Rd.

PROGRAM: Paul's History of the club program

ADJOURNED: 7:52 pm

ATTENDANCE: 25

NM8I Barbara	KB8KQC Brenda
W8GMA Bob	WA8EFK Dale
KE8RXC Debbie	N8BZN Don
K8FGT Ed	K8EBI Fred
K8ONZ Gary	KB8OSU George
WA8YZB John	KJ8H Keith
KE8BYC Lance	W8MCW Mark
N8KUF Mike	KE8QGU Madonna
KA8PQH Neil	W8PI Paul
KD8ZNZ Rodney	KE8CQW Sandra
W8SMB Scott	KG8P Tom
KC8SKP Wes	Pete Burkit
N8SY Scott Yonally	



Committees

Club Station

Wes Busdiecker KC8SKP

DX Net

Soon

Field Day

Jeff Breitner KA8NCR

Finance

Paul Trouten W8PI (chair)
Fred VanDaele K8EBI
Dale Williams WA8EFK

HamFest

Fred VanDaele K8EBI

Hertzian Herald

Fred VanDaele K8EBI

Historian

Paul Trouten W8PI

Public Relations

Terry Kolton N8NYP
Tom Imlach KE8KNZ

Scholarship

Fred VanDaele K8EBI

Program Chairman

soon

Membership

Terry Kolton N8NYP
n8nyp@arrl.net

Property Custodian

Paul Trouten W8PI

MCRCA Christmas Party has been moved

Thursday, December 16th is our annual Christmas Party, Potluck and Dirty Santa Swap.

The December meeting and Christmas party has been moved to Monroe Country Club Estates, 5840 E. Dunbar Rd. just West of S. Dixie Hwy.

The club will provide several entrees, lettuce salad, pop, coffee, paper and plastic ware. We ask that you bring a dish to pass or favorite treat or goodie, and join us in all the fun. You may even get lucky and take home one of the fabulous gifts



Hoovers and Handhelds

The German Bundesnetz Agentur has banned the sale of TESVOR model 6 robotic vacuum cleaners, because it not only used lasers to chase your cat or dog, it also sported a wireless link, complete with a networked remote control.

It came into circulation without CE mark or any appropriate paperwork regards the wireless parts, so the TESVOR model S6 does no longer makes its rounds. While we could smile about that, the same Bundesnetz Agentur struck closer to home, and also banned the import, sale and use of the popular Baofeng UV5R dualband handhelds. Several Amateur Radio news outlets reported speculations that this may lead to a ban across Europe.

Informed postings on the Ei7GI blogspot confirmed what Polish authorities found out in tests conducted on imported UV5R radios: Their transmitted spectrum is not clean enough, so the Polish authorities informed their German colleagues, who in turn quickly announced this ban

ARPSC Report

Welcome to December,

We held our planning session for the upcoming year at the December meeting and there were a lot of great suggestions for Training topics and events. I will be working on the 2022 calendar and get as many of these ideas planned.

Monroe County EMD is hosting a week long in-person IS 300/400 training session the week of January 10th -14th, 2022. These are great classes for those who wish to undertake supervisory roles in ARPSC. The classes are no charge and will be held at the EMD Media room. If you wish to attend please let me know ASAP so I can get your name on the list. You MUST have completed IS 100, 200, 700, and 800 to attend.



If you are interested in hone your skills or building new ones, please stop in to any of our meetings or training sessions, or participate on our nets. We are here to help every operator learn and get better. It doesn't matter if your call sign was just posted on the FCC database or you have had your ticket for decades, we are always looking for additional operators.

ARPSC meetings are the first Thursday of every month at 7:30pm at the EMD on Raisinville Rd. Next meeting is January 6th and on Jan 8th is our first Saturday training session. The Saturday session will be an introduction to Emergency Communication and ARPSC. If you are newly licensed or would like to learn more about ARPSC feel free to attend this session, 9am Saturday Jan 8th at the EMD media/training room 987 S. Raisinville Rd.

I want to Thank everyone for their help and participation in the past year. I want to wish everyone and their family a Merry Christmas and Happy New Year.

As always Thanks to the club and the club webmaster for linking our FB and webpage, and to Fred for his time getting this newsletter out.

Lance Charter KE8BYC
Emergency Coordinator
Monroe County Amateur Radio Public Service Corp

Forget radio - Transmitting with neutrons

Throughout history, people have devised ways to send information across long distances. For centuries we relied on smoke signals, semaphores, and similar physical devices. Electricity changed everything. First the telegraph and then radio transformed communications. Now researchers at the University of Lancaster have demonstrated another way to send wireless data without using electromagnetic radiation. They've harnessed fast neutrons from californium-252 and modulated them with information with 100% success.

The setup was interesting. The radioactive material was encased in a cubic meter steel tank filled with water. A pneumatic system can move the material to one edge of the tank which allows fast neutrons to escape. A scintillating detector can pick up the increased neutron activity. It seems like it is akin to using what hams call CW and college professors call OOK (on off keying). You can do that with just about anything you can detect. A flashlight, knocking on wood, or — we suppose — neutrons.

We wondered what the practical application of this might be. The paper suggests that the technique could send data through metal containment structures like those of a nuclear reactor or, perhaps, a spacecraft where you don't want anything unnecessarily breaching the containment. After all, neutrons cut through things that would stop a conventional radio wave cold.

Continued next page

It seems like you only have to prove you can detect something to make this work — it really doesn't matter what it is you are detecting. It seems like it would be much harder to do more advanced types of modulation using neutrons. Maybe this is why we don't hear aliens. They are all Morse code operators with neutron-based telegraphs.

<https://hackaday.com/2021/11/14/forget-radio-transmitting-with-neutrons/>

<https://www.sciencedirect.com/science/article/pii/S0168900221009013>

Stephen Walters G7VFX

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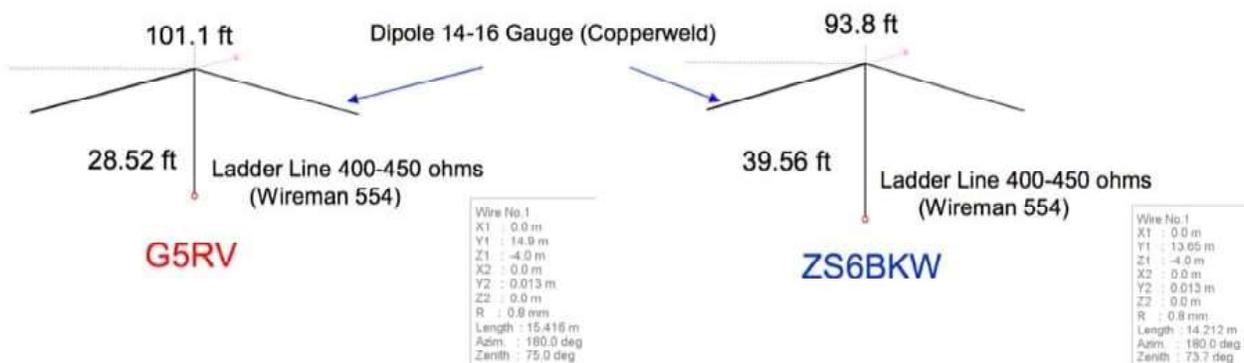
G5RV

Louis Varney (G5RV) invented this antenna in 1946. It is very popular in the United States. The antenna can be erected as horizontal dipole, as sloper, or an inverted-V antenna. With a transmatch, it can operate on all HF amateur radio bands.

A transmatch (antenna tuner) is not required to use this antenna near its nominal design frequency of 14 MHz, and judicious length adjustments can sometimes include one other frequency band. All other frequencies require a transmatch. There are many variants of the G5RV antenna. Two variations of the G5RV design, called ZS6BKW and W0BTU, can match several more amateur bands between 3.5–28 MHz without a transmatch.

Just wanted to post this because a lot of new hams get trick into believing a G5RV is more than it is. It is a very simple antenna to build, so spending hard earned money to buy one from the dozens of companies selling them is not needed. It is not a multiband antenna nor was it design to be one. The ZS6BKW is a multiband antenna. I know they work but so does lots of other things if you get a match with a tuner.

Modeled Antenna Geometry



Dipole length is 101.1 ft, ladder line 37.52 ft (28.52 ft when $vf=.9$)

Dipole length is 93.8 ft, ladder line 43.95 ft (39.56 ft when $vf=.9$)

G5RV



7.3 ft shorter wire
11 ft longer ladder



ZS6BKW

Monroe County Radio Communications Association

Dues run from January 1st to December 31st of each year. As a current / Past Member, you are invited to attend our monthly meetings to find out the latest plans for our club. You may pay your dues at any regular meeting or by filling in the form below and mailing it to: MCRCA, PO Box 237, Monroe, MI 48161. Your membership and support will help with the continued success of our club. Thank you.

MEMBERSHIP APPLICATION / RENEWAL FORM

Regular – \$10 — Add'l Family – \$5 each

DATE _____ ARRL MEMBER? Y _____ N _____ RRRRA Member? Y _____ N _____

NAME _____

ADDRESS _____ PHONE _____

CITY _____ STATE _____ ZIP _____

CALL _____ CLASS _____ E-MAIL: _____

ADDITIONAL Family Members: _____

Please Circle All That Apply:

Active Bands: 160 80 75 40 30 20 17 15 12 10 6 2 220 440 higher

Modes: CW - SSB – PACKET - RTTY - FM - DX - MOBILE - QRP - DIGITAL - FT8 - SAT

Interests: Traffic - DX - Contests - Foxhunts - Satellites - Nets – Antennas - Computers
Emergency - ARES/RACES - Skywarn - Classic Radios (circle all that apply)

Do you plan to upgrade your license? Y _____ N _____ If yes, what class? _____

What kinds of meeting programs would you like to see?

Other activities you would like to see the Club offer

General Comment's

Signature _____ Date _____



The American Radio Relay League's round-up of the forthcoming week's DX activity on the amateur radio bands

This week's bulletin was made possible with information provided by OH0NC, The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

SENEGAL, 6W. Dani, EA4ATI is QRV as 6W1TG from Dakar. Activity is on 80 to 10 meters using mainly SSB. QSL via LoTW.

MALDIVES, 8Q. Tor, DG7RO will be QRV as 8Q7RO from Fihalhohi Island, IOTA AS-013, from December 11 to 27. Activity will be mainly on Satellite QO-100. QSL to home call.

ZAMBIA, 9J. Mario, IK1MYT is QRV as 9J2MYT from Lusaka until June 2022. Activity is on 40, 20, 17, 15, and 10 meters. QSL direct to IZ3KVD.

QATAR, A7. Special event stations A721FAC and A721FCA are QRV until December 18 during the FIFA Arab Cup 2021. QSL via bureau.

SPAIN, EA. Pascual, EA5WO is QRV with special event callsign AN5OKW from Torrent until December 20 to commemorate the 80th anniversary of the Battle of Moscow. Activity is on the HF bands using various digital modes. QSL via LoTW.

THAILAND, HS. Brad, VK2BY will be QRV as HS0ZNR from the Nam Yuen district from December 12 to January 21. Activity will be on 160 to 10 meters. QSL direct to home call.

SAUDI ARABIA, HZ. Some members of the Saudi Association of Radio Amateurs are QRV with special event station HZ19SAT until December 28 as part of a Saudi Satellite Event. QSL via operators' instructions.

FINLAND, OH. Finnish amateur radio operators are allowed to use the prefix OF until December 23 to celebrate the 100th jubilee of the Finnish Radio Amateur Society, SRAL. QSL via bureau.

WESTERN SAHARA, S0. The Sahrawi Amateur Radio Union special event callsign S0S is QRV from Tifariti. Activity is on 40, 17, and 10 meters using SSB. The length of activity is unknown. QSL direct to EA2JG.

BANGLADESH, S2. Station S21DX is QRV from Manpura Island, IOTA AS-140, until December 16. Activity is on the HF bands using SSB and FT8, and on Satellite QO-100. QSL via EB7DX.

SLOVENIA, S5. Special event station S522PMC is QRV until January 2 to promote the PMC Contest. QSL via bureau.

EUROPEAN RUSSIA, UA. Special event station R200NN is QRV until December 12 to mark the 200th birthday anniversary of poet Nikolay Nekrasov. QSL via RC3M.

KAZAKHSTAN, UN. Special event stations UN30RK, UP30RK, UO30RK, and UQ30RK will be QRV from December 11 to 19 to commemorate the 30th anniversary of Kazakhstan's independence. QSL via LoTW.

BURKINA FASO, XT. Harald, DF2WO is QRV as XT2AW from Ouagadougou until December 20. Activity is holiday style on 160 to 6 meters using CW, SSB, and various digital modes. QSL via M0OXO.

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Operator G4XWJ is QRV as ZC4RH until December 12. He is active on the HF bands using CW, SSB, and FT8, and plans to work on Satellite QO-100. QSL to home call.

THIS WEEKEND ON THE RADIO. ARRL 10-Meter Contest, NCCC RTTY Sprint, QRP 80-Meter CW Fox Hunt, NCCC CW Sprint, K1USN Slow Speed CW Test,

PODXS 070 Club Triple Play Low Band Sprint, TRC Digi Contest, SKCC Weekend CW Sprintathon, ARI 40/80 Contest, International Naval Contest, QRP ARCI Holiday Spirits Homebrew Sprint, and CQC Great Colorado CW Snowshoe Run are all on tap for this upcoming weekend.

The 4 States QRP Group Second Sunday Sprint, OK1WC Memorial, Worldwide Sideband Activity Contest, RTTYOPS Weeksprint, NAQCC CW Sprint, QRP 40 Meter CW Fox Hunt, Phone Fray and CWops Mini-CWT Test are scheduled for December 13 to 15.

Please see December QST, page 62, and the ARRL and WA7BNM Contest web sites for details.

Amateur Radio Examinations Monroe, MI

Monroe County Radio Communications Association Amateur Radio examinations are held the 3rd Saturday of every even numbered month at:

American Red Cross Chapter Bldg.
1645 North Dixie Highway
Monroe, MI 48161

**Registrations preferred
Call for information.
email & FRN number required**

2021 Schedule:
February 20 April 17
June 19 August 21
October 16 December 18

TESTING BEGINS PROMPTLY AT 9:00 AM

Applicants are expected to have all forms filled out and be ready to take tests at that time. Coffee and doughnuts are available at 8:30 AM. For more information or to make reservations, call Paul Trouten - W8PI at 734-854-2224

Join us at the next meeting

December 16th at 7:30 pm
American Red Cross Chapter Bldg.
1645 North Dixie Highway
Monroe, MI 48162

Local Net

ARPSC Net - Every Monday evening on '72-Monroe (146.72 Mhz) starting at 8:00pm.

ARPSC Meeting first Thursday of every month at the EMD office on Raisinville Rd.. 7:00 PM